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ANSWER 9 OF 10
                        MEDLINE on STN
L3
                 MEDLINE
     97075209
ΑN
     PubMed ID: 8917635
DN
     Induction of an antibody response in mice against human
TΤ
     papillomavirus (HPV) type 16 after immunization with HPV
     recombinant Salmonella strains.
     Krul M R; Tijhaar E J; Kleijne J A; Van Loon A M; Nievers M G; Schipper H;
ΑIJ
     Geerse L; Van der Kolk M; Steerenberg P A; Mooi F R; Den Otter W
     European Cancer Centre, Amsterdam, The Netherlands.. ecc@euronet.nl
CS
     Cancer immunology, immunotherapy: CII, (1996 Sep) 43 (1) 44-8.
SO
     Journal code: 8605732. ISSN: 0340-7004.
     GERMANY: Germany, Federal Republic of
CY
     Journal; Article; (JOURNAL ARTICLE)
DT
LA
     English
     Priority Journals
FS
     199612
EM
ED
     Entered STN: 19970128
     Last Updated on STN: 19970128
     Entered Medline: 19961210
     Human papillomaviruses (HPV) are present in approximately 95% of all
AΒ
     cervical carcinomas and the HPV E6 and E7 genes are continuously expressed
     in these lesions. There is also circumstantial evidence that often
     natural immunity against HPV is generated and that this is of influence on
     HPV-induced lesions. Stimulation of the immune system by proper
     presentation of relevant HPV antigens might, therefore, lead to a
     prophylactic or therapeutic immunological intervention for HPV-induced
     lesions. For this purpose we have expressed the E6 and E7 protein of HPV
     16 in an attenuated strain of Salmonella typhimurium (SL3261,
     aroA mutation), which has been used extensively as a live vector.
     recombinant Salmonella vaccines have the ability to elicit
     humoral, secretory and cell-mediated immune responses, including cytotoxic
     T cells, against the heterologous antigens they express. This report
     describes the construction of recombinant Salmonella strains
     expressing the HPV 16 E6 and E7 proteins, and the induction of an
     HPV-16-specific immune response in mice after immunization with these live
     vectors.
     Antibodies, Viral: IM, immunology
CT
     Antibody Formation
     *Bacterial Vaccines: IM, immunology
      Genes, Viral: IM, immunology
       *Papillomavirus, Human: IM, immunology
      Recombinant Proteins: IM, immunology
      Recombination, Genetic
        Salmonella Infections: IM, immunology
        Salmonella Infections: PC, prevention & control
        Salmonella Phages: IM, immunology
        Salmonella typhimurium: GE, genetics
        Salmonella typhimurium: VI, virology
     *Vaccines, Synthetic: IM, immunology
     0 (Antibodies, Viral); 0 (Bacterial Vaccines); 0 (Recombinant Proteins); 0
CN
     (Vaccines, Synthetic)
     ANSWER 8 OF 10
                        MEDLINE on STN
L3
ΑN
     97093882
                  MEDLINE
DN
     PubMed ID: 8939345
     Mutagenicity of endocervical mucus associated with genital tract
TΙ
     infections.
ΑU
     Parashari A; Singh V; Gupta M M; Satyanararayana L; Chattopadhya D; Sehgal
     Division of Immunology and Virology, Institute of Cytology and Preventive
CS
```

Oncology (ICMR), New Delhi, India.

- Cancer detection and prevention, (1996) 20 (6) 597-600. SO Journal code: 7704778. ISSN: 0361-090X.
- CY United States
- Journal; Article; (JOURNAL ARTICLE)
- LΑ English
- FS Priority Journals
- 199702 EM
- Entered STN: 19970305 ED

Last Updated on STN: 19970305

Entered Medline: 19970218

- Mutagenic metabolites produced due to chronic infection of cervical AΒ epithelium are suspected to be a plausible risk factor in cervical carcinogenesis. One hundred twenty-four symptomatic women attending a maternal and child health (MCH) clinic were studied clinically, cytologically, microbiologically, and biochemically for genital tract infections and for the presence of mutagens in the endocervical secretions using Ames' test. Human papillomavirus (HPV) was the leading infection (53.3%), followed by chlamydial infection (25.8%) and seropositivity for herpes simplex virus (25.1%). Mutagenic products in the endocervical secretions was detected in 23 women (18.5%). The univariate and multivariate (adjusted for other genital infections, age, and parity) analysis showed that the mutagenic mucus was associated with only chlamydial infection of endocervical region (OR = 3.7; 95% CI = 1.7,7.3). This shows that chlamydia is associated with mutagenicity of endocervical mucus.
- Check Tags: Female; Human CT*Cervix Mucus: ME, metabolism

- L3 ANSWER 1 OF 10 MEDLINE on STN
- TI Immunogenicity against human **papillomavirus** type 16 virus-like particles is strongly enhanced by the PhoPc phenotype in **Salmonella** enterica serovar Typhimurium.
- L3 ANSWER 2 OF 10 MEDLINE on STN
- TI Clearance of infection with Mycobacterium bovis BCG in mice is enhanced by treatment with S28463 (R-848), and its efficiency depends on expression of wild-type Nramp1 (resistance allele).
- L3 ANSWER 3 OF 10 MEDLINE on STN
- Mucosal vaccination with a recombinant Salmonella typhimurium expressing human papillomavirus type 16 (HPV16) L1 virus-like particles (VLPs) or HPV16 VLPs purified from insect cells inhibits the growth of HPV16-expressing tumor cells in mice.
- L3 ANSWER 4 OF 10 MEDLINE on STN
- TI Differences in the effectiveness of delivery of B- and CTL-epitopes incorporated into the hepatitis B core antigen (HBcAg) c/el-region.
- L3 ANSWER 5 OF 10 MEDLINE on STN
- TI The nature of the attenuation of **Salmonella** typhimurium strains expressing human **papillomavirus** type 16 virus-like particles determines the systemic and mucosal antibody responses in nasally immunized mice.
- L3 ANSWER 6 OF 10 MEDLINE on STN
- TI Enhanced immunogenicity of a recombinant genital warts vaccine adjuvanted with monophosphoryl lipid A.
- L3 ANSWER 7 OF 10 MEDLINE on STN
- TI Human **papillomavirus** type 16 virus-like particles expressed in attenuated **Salmonella** typhimurium elicit mucosal and systemic neutralizing antibodies in mice.
- L3 ANSWER 8 OF 10 MEDLINE on STN
- TI Mutagenicity of endocervical mucus associated with genital tract infections.
- L3 ANSWER 9 OF 10 MEDLINE on STN
- TI Induction of an antibody response in mice against human papillomavirus (HPV) type 16 after immunization with HPV recombinant Salmonella strains.
- L3 ANSWER 10 OF 10 MEDLINE on STN
- TI Immunisation of mice using **Salmonella** typhimurium expressing human **papillomavirus** type 16 E7 epitopes inserted into hepatitis B virus core antigen.

L4

L5

L6

(FILE 'HOME' ENTERED AT 08:57:52 ON 07 JUL 2004)

FILE 'MEDLINE' ENTERED AT 08:58:07 ON 07 JUL 2004

53944 S SALMONELLA

L114829 S PAPILLOMAVIRUS L2

10 S L1 AND L2 L3

> INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGMONOG2, ... 'ENTERED AT 09:01:38 ON 07 JUL 2004

SEA L1 AND L2

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      FILE ADISINSIGHT
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       FILE CABA
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       FILE CANCERLIT
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       FILE CAPLUS
 111
       FILE CONFSCI
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       FILE DDFU
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       FILE DGENE
       FILE IMSDRUGNEWS
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   2
      FILE IMSRESEARCH
   1
      FILE EMBASE
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      FILE ESBIOBASE
   7
      FILE FEDRIP
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      FILE IFIPAT
      FILE JICST-EPLUS
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  12
      FILE LIFESCI
      FILE MEDLINE
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      FILE PASCAL
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       FILE USPAT2
      FILE WPIDS
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      FILE WPIFV
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FILE 'SCISEARCH' ENTERED AT 09:02:30 ON 07 JUL 2004 20 S L1 AND L2

FILE WPINDEX

QUE L1 AND L2

FILE 'LIFESCI' ENTERED AT 09:05:59 ON 07 JUL 2004 12 S L1 AND L2







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		□4:	Miller SI,	Mekalanos J	<u>IJ.</u>			Relate	ed Articles,	Links	
			virulenc J Bacterio	e and survi ol. 1990 May;	ival within : ;172(5):2485-	phoP regulon macrophages. 90. for MEDLINE]	attenuate	s Salmo	nella		
		□5:	Beuzon C	R, Unsworth	KE, Holden	DW.		Relate	ed Articles,	, Links	
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						onse in mice a					

strains.

Cancer Immunol Immunother. 1996 Sep;43(1):44-8. PMID: 8917635 [PubMed - indexed for MEDLINE] 7: Corthesy-Theulaz IE, Hopkins S, Bachmann D, Saldinger PF, Related Articles, Links Porta N, Haas R, Zheng-Xin Y, Meyer T, Bouzourene H, Blum AL, Kraehenbuhl JP. Mice are protected from Helicobacter pylori infection by nasal immunization with attenuated Salmonella typhimurium phoPc expressing urease A and B subunits. Infect Immun. 1998 Feb;66(2):581-6. PMID: 9453612 [PubMed - indexed for MEDLINE] Related Articles, Links 8: Angelakopoulos H, Hohmann EL. Pilot study of phoP/phoQ-deleted Salmonella enterica serovar typhimurium expressing Helicobacter pylori urease in adult volunteers. Infect Immun. 2000 Apr;68(4):2135-41. PMID: 10722611 [PubMed - indexed for MEDLINE] 9: Marais D, Passmore JA, Maclean J, Rose R, Williamson AL. Related Articles, Links A recombinant human papillomavirus (HPV) type 16 L1-vaccinia virus murine challenge model demonstrates cell-mediated immunity against HPV virus-like particles. J Gen Virol. 1999 Sep;80 (Pt 9):2471-5. PMID: 10501503 [PubMed - indexed for MEDLINE] Related Articles, Links 10: Miller SI, Kukral AM, Mekalanos JJ. A two-component regulatory system (phoP phoQ) controls Salmonella typhimurium virulence. Proc Natl Acad Sci U S A. 1989 Jul;86(13):5054-8. PMID: 2544889 [PubMed - indexed for MEDLINE] □ 11: Kozarov E, Miyashita N, Burks J, Cerveny K, Brown TA, Related Articles, Links McArthur WP, Progulske-Fox A. Expression and immunogenicity of hemagglutinin A from Porphyromonas gingivalis in an avirulent Salmonella enterica serovar typhimurium vaccine strain. Infect Immun. 2000 Feb;68(2):732-9. PMID: 10639440 [PubMed - indexed for MEDLINE] 12: Miller SI, Loomis WP, Alpuche-Aranda C, Behlau I, Hohmann Related Articles, Links The PhoP virulence regulon and live oral Salmonella vaccines. Vaccine. 1993;11(2):122-5. PMID: 8438611 [PubMed - indexed for MEDLINE] 13: Miller SI, Pulkkinen WS, Selsted ME, Mekalanos JJ. Related Articles, Links Characterization of defensin resistance phenotypes associated with mutations in the phoP virulence regulon of Salmonella typhimurium. Infect Immun. 1990 Nov;58(11):3706-10. PMID: 2172166 [PubMed - indexed for MEDLINE]

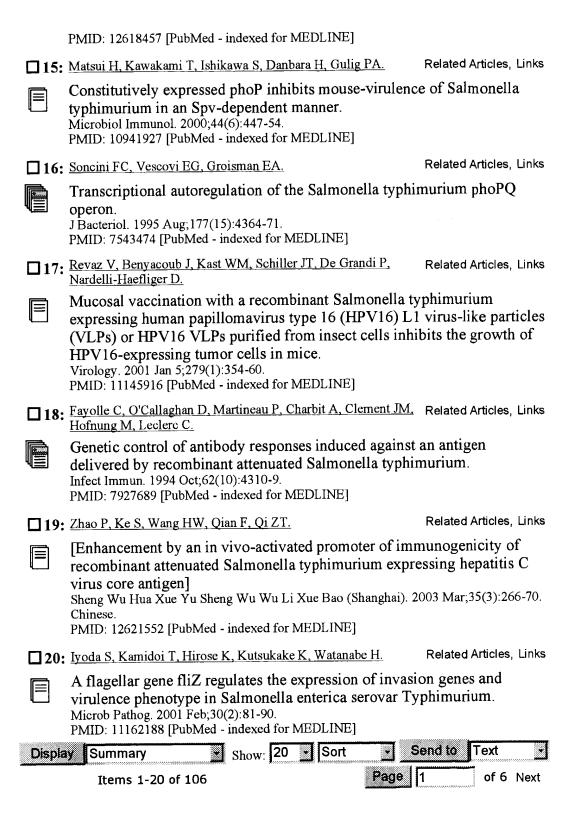
Mutational analysis of the residue at position 48 in the Salmonella

enterica Serovar Typhimurium PhoQ sensor kinase.

Related Articles, Links

J Bacteriol. 2003 Mar;185(6):1935-41.

☐ 14: Sanowar S, Martel A, Moual HL.



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Induction of an antibody response in mice against human papillomavirus (HPV) type 16 after immunization with HPV recombinant Salmonella strains.

Krul MR, Tijhaar EJ, Kleijne JA, Van Loon AM, Nievers MG, Schipper H, Geerse L, Van der Kolk M, Steerenberg PA, Mooi FR, Den Otter W.

European Cancer Centre, Amsterdam, The Netherlands. ecc@euronet.nl

Human papillomaviruses (HPV) are present in approximately 95% of all cervical carcinomas and the HPV E6 and E7 genes are continuously expressed in these lesions. There is also circumstantial evidence that often natural immunity against HPV is generated and that this is of influence on HPV-induced lesions. Stimulation of the immune system by proper presentation of relevant HPV antigens might, therefore, lead to a prophylactic or therapeutic immunological intervention for HPV-induced lesions. For this purpose we have expressed the E6 and E7 protein of HPV 16 in an attenuated strain of Salmonella typhimurium (SL3261, aroA mutation), which has been used extensively as a live vector. Live recombinant Salmonella vaccines have the ability to elicit humoral, secretory and cell-mediated immune responses, including cytotoxic T cells, against the heterologous antigens they express. This report describes the construction of recombinant Salmonella strains expressing the HPV 16 E6 and E7 proteins, and the induction of an HPV-16-specific immune response in mice after immunization with these live vectors.

PMID: 8917635 [PubMed - indexed for MEDLINE]

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☐ 1. Document ID: US 6737239 B2

L2: Entry 1 of 36

File: USPT

May 18, 2004

US-PAT-NO: 6737239

DOCUMENT-IDENTIFIER: US 6737239 B2

TITLE: Nucleic acid sequence detection employing probes comprising non-nucleosidic coumarin derivatives as polynucleotide-crosslinking agents

DATE-ISSUED: May 18, 2004

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME Wood; Michael L. Mountain View CA Millbrae CA Albagli; David Mountain View CA Van Atta; Reuel B. CA Menlo Park Thien; Douglas Y. San Jose CA Cheng; Peter C. Cupertino CA Huan; Bingfang

US-CL-CURRENT: 435/6; 514/44, 536/24.3, 536/24.5

Full Title Citation Front Review Classification		
☐ 2. Document ID: US 6719978 B2 L2: Entry 2 of 36	File: USPT	Apr 13, 2004

US-PAT-NO: 6719978

DOCUMENT-IDENTIFIER: US 6719978 B2

TITLE: Virus-like particles for the induction of autoantibodies

DATE-ISSUED: April 13, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Schiller; John T. Silver Spring MD Chackerian; Bryce Chevy Chase MD Lowy; Douglas R. Bethesda MD

Dec 9, 2003

US-CL-CURRENT: 424/199.1; 424/133.1, 424/143.1, 424/144.1, 424/147.1, 424/159.1, 424/184.1, 424/194.1, 424/204.1, 435/174, 435/235.1, 435/472, 530/350

Full Title Citation Front Review Classification Date Reference Claims KWIC Draw. De

File: USPT

US-PAT-NO: 6660521

L2: Entry 3 of 36

DOCUMENT-IDENTIFIER: US 6660521 B2

TITLE: Use of trans-activation and CIS-activation to increase the persistence of a transgene in an at least E4-deficient adenovirus

DATE-ISSUED: December 9, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Brough; Douglas E. Olney MD Kovesdi; Imre Rockville MD

US-CL-CURRENT: 435/320.1; 424/93.2, 424/93.6

Full Title Citation Front Review Classification Date Reference Claims KWC Draw De 4. Document ID: US 6627202 B2

L2: Entry 4 of 36 File: USPT Sep 30, 2003

US-PAT-NO: 6627202

DOCUMENT-IDENTIFIER: US 6627202 B2

TITLE: HBV core antigen particles with multiple immunogenic components attached via

peptide ligands

DATE-ISSUED: September 30, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Murray; Kenneth Edinburgh GB

US-CL-CURRENT: 424/227.1; 424/194.1, 424/196.11, 424/197.11, 424/201.1, 424/202.1, 530/403

Full	Title	Citation From	nt Review	Classification	Date	Reference	Claims	KAMC Dra	iou De
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	5.	Document I	D: US 653	4489 B 1					

L2: Entry 5 of 36 File: USPT Mar 18, 2003

US-PAT-NO: 6534489

DOCUMENT-IDENTIFIER: US 6534489 B1

TITLE: Organophosphorus compounds and the use thereof

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

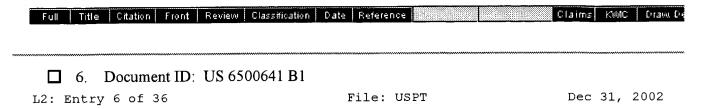
COUNTRY

Jomaa; Hassan

Giessen

DE

US-CL-CURRENT: 514/114; 558/166, 558/169, 558/175



US-PAT-NO: 6500641

DOCUMENT-IDENTIFIER: US 6500641 B1

TITLE: Compositions and methods for identifying antigens which elicit an immune

response

DATE-ISSUED: December 31, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Chen; Si-Yi

Pearland

TX

You; Zhaoyang

Houston

ΤX

US-CL-CURRENT: 435/69.1; 424/159.1, 435/6, 530/387.3, 530/388.3

Full Title Citation Front Review Classification	Date Reference	Claims KWC Draw De
☐ 7. Document ID: US 6495676 B1		
L2: Entry 7 of 36	File: USPT	Dec 17, 2002

US-PAT-NO: 6495676

DOCUMENT-IDENTIFIER: US 6495676 B1

TITLE: Nucleic acid sequence detection employing probes comprising non-nucleosidic

coumarin derivatives as polynucleotide-crosslinking agents

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Mountain View CA Wood; Michael L. Millbrae CA Albagli; David Mountain View CA Van Atta; Reuel B. Thien; Douglas Y. Menlo Park CA San Jose CA Cheng; Peter C. Cupertino CA Huan; Bingfang

US-CL-CURRENT: 536/25.3; 435/6, 536/25.31, 536/25.32

□ 8. Document ID: US 6479279 B2 Nov 12, 2002 L2: Entry 8 of 36 File: USPT

US-PAT-NO: 6479279

DOCUMENT-IDENTIFIER: US 6479279 B2

TITLE: Episomal vectors and uses thereof

DATE-ISSUED: November 12, 2002

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME

Ustav; Mart Tartu EE

US-CL-CURRENT: 435/320.1; 435/455, 435/456, 435/457, 536/23.1, 536/23.72, 536/24.1

Full Title Citation Front Review Classification Date Reference Claims KWMC Draw De ☐ 9. Document ID: US 6458368 B1

File: USPT

US-PAT-NO: 6458368

L2: Entry 9 of 36

DOCUMENT-IDENTIFIER: US 6458368 B1

TITLE: Attenuated microorganism strains expressing HPV proteins

DATE-ISSUED: October 1, 2002

INVENTOR-INFORMATION:

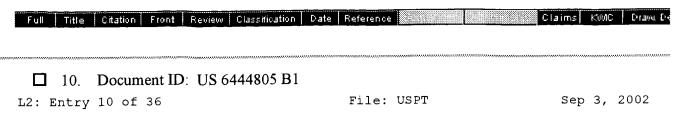
STATE ZIP CODE COUNTRY CITY NAME

CH Haefliger; Denise Nardelli Lausanne CH Kraehenbuhl; Jean-Pierre Rivaz

US-CL-CURRENT: 424/258.1; 424/192.1, 424/204.1, 424/234.1, 424/93.1, 424/93.2,

435/235.1, 435/320.1, 435/5, 435/7.1

Oct 1, 2002



US-PAT-NO: 6444805

DOCUMENT-IDENTIFIER: US 6444805 B1

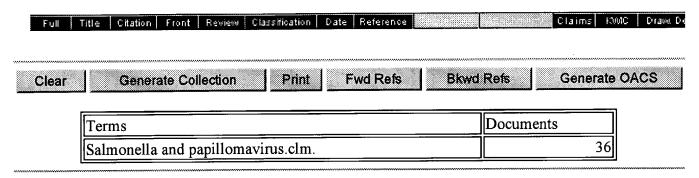
TITLE: Recombinant human papillomavirus vaccine expressed in transgenic plants

DATE-ISSUED: September 3, 2002

INVENTOR-INFORMATION:

ZIP CODE COUNTRY STATE CITY NAME KR Sohn; Ulk Taegu KR Pohang Nam; Hong Gil Park; Deok Hoon Pohang KR KR Kim; Kuk Hyun Pohang

US-CL-CURRENT: 536/23.72; 424/204.1



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☐ 1. Document ID: WO 2004026336 A1

L3: Entry 1 of 15

File: DWPI

Apr 1, 2004

DERWENT-ACC-NO: 2004-283154

DERWENT-WEEK: 200426

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TITLE: Production of vaccine composition of labile immunogens, involves spraying

fluid comprising immunogens into reactor having fluidized particles of water

soluble material, and collecting dried immunogen containing particles, from reactor

INVENTOR: KO, T S; SO, A W; WONG, T

PRIORITY-DATA: 2002AU-0951692 (September 23, 2002)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

WO 2004026336 A1

April 1, 2004

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044

A61K039/00

INT-CL (IPC): A61 K 39/00; A61 P 31/04; A61 P 31/12; A61 P 31/16; A61 P 31/22

	ation Date Reference	Claims KWC Draw De
☐ 2. Document ID: US 2004004		
L3: Entry 2 of 15	File: DWPI	Mar 4, 2004

DERWENT-ACC-NO: 2004-280782

DERWENT-WEEK: 200437

L3: Entry 2 of 15

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TITLE: New 16-alpha-bromo-3-beta-hydroxy-5-alpha-androstan-17-one hemihydrate, useful for the treatment or prevention of pathogenic infection e.g. HIV-1, cancer,

burn, schizophrenia and multiple sclerosis

INVENTOR: AHLEM, C N; CARVALHO, L D; HEGGIE, W

PRIORITY-DATA: 2000US-190140P (March 16, 2000), 2000US-0535675 (March 23, 2000),

2002US-0319356 (December 13, 2002)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

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March 4, 2004

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A61K031/573

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INT-CL (IPC): A61 K 31/573; A61 K 31/7072; A61 K 31/7076; A61 K 38/13; C07 J 1/00

Full Title Citation Front Review Classification Date Reference

Claims KVMC Draww De

☐ 3. Document ID: US 20040009145 A1, US 6692732 B2

L3: Entry 3 of 15

File: DWPI

Jan 15, 2004

DERWENT-ACC-NO: 2004-224165

DERWENT-WEEK: 200421

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Use of a polymer having a cationic group for inhibiting pathogenic toxins produced by microorganisms e.g. virus, bacteria, fungi, protozoa or parasite in a mammal

INVENTOR: BACON KURTZ, C I; FITZPATRICK, R ; HUVAL, C C ; MANDEVILLE, W H ; NEENAN, T X ; KURTZ, C I B

PRIORITY-DATA: 2000US-0597343 (June 19, 2000), 1997US-0934495 (September 19, 1997), 1999US-0412474 (October 5, 1999), 2001US-0912253 (July 24, 2001), 2002US-0324623 (December 19, 2002)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES MAIN-IPC

US 20040009145 A1

January 15, 2004

020 A61K031/785

US 6692732 B2

February 17, 2004

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A61K031/74

INT-CL (IPC): A61 K 31/74; A61 K 31/765; A61 K 31/785; A61 K 31/795

Full Title Citation Front Review Classification Date Reference

☐ 4. Document ID: US 6737239 B2, US 20030134274 A1

L3: Entry 4 of 15

File: DWPI

May 18, 2004

Claims KWC Drawu Di

DERWENT-ACC-NO: 2003-829632

DERWENT-WEEK: 200440

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TITLE: Detecting nucleic acid in sample comprises hybridizing nucleic acid to probe that comprises crosslinking agent forming covalent crosslink between probe and nucleic acid and detecting crosslinked nucleic acid pair

INVENTOR: ALBAGLI, D; CHENG, P C; HUAN, B; THIEN, D Y; VAN ATTA, R B; WOOD, M L

PRIORITY-DATA: 1999US-0390124 (September 3, 1999), 1993US-0046568 (April 13, 1993), 1994US-0364339 (December 27, 1994), 1995US-0401630 (March 9, 1995), 1995US-0487034 (June 7, 1995), 1998US-0149161 (September 4, 1998), 2002US-0272466 (October 15, 2002)

PATENT-FAMILY:

PUB-NO US 6737239 B2 PUB-DATE May 18, 2004 LANGUAGE

PAGES

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C12Q001/68

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US 20030134274 A1 July 17, 2003

021 C12O001/70

INT-CL (IPC): C07 + 21/00; C12 + 21/68; C12 + 21/68

Claims KWC Draw De Full Title Citation Front Review Classification Date Reference

☐ 5. Document ID: US 6495676 B1

L3: Entry 5 of 15

File: DWPI

Dec 17, 2002

DERWENT-ACC-NO: 2003-327472

DERWENT-WEEK: 200377

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TITLE: Detecting target nucleic acid, by hybridizing target to crosslinkable probe with a complementary polynucleotide and crosslinking group, activating group to crosslink probe and target, detecting crosslinked pair

INVENTOR: ALBAGLI, D; CHENG, P C; HUAN, B; THIEN, D Y; VAN ATTA, R B; WOOD, M L

PRIORITY-DATA: 1999US-0390124 (September 3, 1999), 1993US-0046568 (April 13, 1993), 1994US-0364339 (December 27, 1994), 1995US-0401630 (March 9, 1995), 1995US-0487034 (June 7, 1995), 1995US-0577121 (December 22, 1995), 1998US-0149161 (September 4, 1998)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

US 6495676 B1

December 17, 2002

024

C07H021/00

INT-CL (IPC): $\underline{\text{CO7}} \ \underline{\text{H}} \ \underline{21/00}$

Full Title Citation Front Review	Classification Date Reference	Claims KWC Drawu De
☐ 6. Document ID: JP 20 A1, US 20040019029 A1	004509082 W, WO 200217917 A1, AU 2	200188546 A, EP 1318810
L3: Entry 6 of 15	File: DWPI	Mar 25, 2004

DERWENT-ACC-NO: 2002-315501

DERWENT-WEEK: 200422

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TITLE: Treatment of infectious disease caused by e.g. parasite, bacteria or virus,

comprises administration of manzamine alkaloids

INVENTOR: EL-SAYED, K A; HAMANN, M T ; EL-SAYED, K

PRIORITY-DATA: 2000US-228892P (August 29, 2000), 2003US-0362400 (July 22, 2003)

PATENT-FAMILY:

PAGES MAIN-IPC PUB-DATE LANGUAGE PUB-NO March 25, 2004 101 A61K031/475 JP 2004509082 W A61K031/44 063 WO 200217917 A1 March 7, 2002 E

Record List Display Page 4 of 6

AU 200188546 A	March 13, 2002		000	A61K031/44
EP 1318810 A1	June 18, 2003	E	000	A61K031/44
US 20040019029 A1	January 29, 2004		000	A61K031/33

INT-CL (IPC): A61 K 31/33; A61 K 31/44; A61 K 31/475; A61 K 35/56; A61 P 31/04; A61 P 31/12; A61 P 31/18; A61 P 31/20; A61 P 31/22; A61 P 33/02; A61 P 33/06

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KOMC	Draw De
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	7.	Docume	ent ID:	MX 2	002012039	A1, V	WO 200	193829 A	2, AU 2001	75371 A	, US	
2002	2012	0228 A1,	EP 12	89494	A2, KR 20	03020	294 A,	CN 14388	374 A, JP 20	0353511	9 W, I	3R
200	1114	94 A			,		·		•		Í	

L3: Entry 7 of 15

File: DWPI

Jun 1, 2003

DERWENT-ACC-NO: 2002-139635

DERWENT-WEEK: 200417

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TITLE: Gel-forming free-flowing powder, useful as a vaccine, comprises aqueous suspension comprising aluminum or calcium salt-adjuvant with an antigen adsorbed on it, saccharide, amino acid or its salt, colloidal substance

INVENTOR: MAA, Y; PRESTRELSKI, S J ; ZHAO, L

PRIORITY-DATA: 2000US-0590777 (June 8, 2000), 2000US-210581P (June 8, 2000), 2001US-0877726 (June 8, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
MX 2002012039 A1	June 1, 2003		000	A61K009/00
WO 200193829 A2	December 13, 2001	E	052	A61K009/00
AU 200175371 A	December 17, 2001		000	
US 20020120228 A1	August 29, 2002		000	A61K039/12
EP 1289494 A2	March 12, 2003	E	000	A61K009/00
KR 2003020294 A	March 8, 2003		000	A61K009/14
CN 1438874 A	August 27, 2003		000	A61K009/00
JP 2003535119 W	November 25, 2003		055	A61K009/14
BR 200111494 A	January 13, 2004		000	A61K009/00

INT-CL (IPC): $\underline{A61}$ \underline{K} $\underline{9/00}$; $\underline{A61}$ \underline{K} $\underline{9/10}$; $\underline{A61}$ \underline{K} $\underline{9/14}$; $\underline{A61}$ \underline{K} $\underline{9/16}$; $\underline{A61}$ \underline{K} $\underline{31/70}$; $\underline{A61}$ \underline{K} $\underline{39/02}$; $\underline{A61}$ \underline{K} $\underline{39/12}$; $\underline{A61}$ \underline{K} $\underline{39/29}$; $\underline{A61}$ \underline{K} $\underline{39/39}$; $\underline{A61}$ \underline{K} $\underline{47/02}$; $\underline{A61}$ \underline{K} $\underline{47/10}$; $\underline{A61}$ \underline{K} $\underline{47/26}$; $\underline{A61}$ \underline{K} $\underline{47/36}$; $\underline{A61}$ \underline{K} $\underline{47/42}$; $\underline{A61}$ \underline{P} $\underline{31/12}$

Full	Title	Citation	Front	Review	Classification	Date		Clai	ns KWMC	Draw, De

Document ID: EP 1303639 A2, WO 200179548 A2, AU 200193366 A

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Apr 23, 2003

DERWENT-ACC-NO: 2002-034366

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DERWENT-WEEK: 200329

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TITLE: Designing capture oligonucleotide probes for use on a support to which

complementary oligonucleotides hybridize with little mismatch

INVENTOR: BARANY, F; FAVIS, R; GERRY, N P; KLIMAN, R; ZIRVI, M

PRIORITY-DATA: 2000US-197271P (April 14, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1303639 A2	April 23, 2003	E	000	C12Q001/68
WO 200179548 A2	October 25, 2001	E	191	C12Q001/68
AU 200193366 A	October 30, 2001		000	C12Q001/68

INT-CL (IPC): C12 Q 1/68

Full Title	e Citation	Front	Review	Classification	Date	Reference		Claims	FOMC	Drawt De
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Document ID: US 20040033994 A1, WO 200066094 A2, DE 19920247 A1, AU 200050639 A, EP 1173183 A2, NO 200105368 A, JP 2002543113 W, US 6638957 B1

L3: Entry 9 of 15

File: DWPI

Feb 19, 2004

DERWENT-ACC-NO: 2001-024731

DERWENT-WEEK: 200414

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TITLE: Use of heterocyclic compounds as inhibitors of DOXP metabolic pathways in

the treatment of viral, fungal and parasitic infection, and as herbicides.

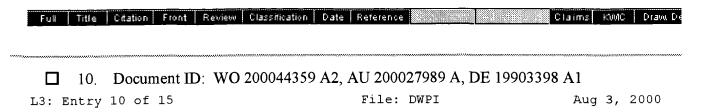
INVENTOR: JOMAA, H

PRIORITY-DATA: 1999DE-1020247 (May 3, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20040033994 A1	February 19, 2004		000	A61K031/675
WO 200066094 A2	November 9, 2000	G	045	A61K031/00
DE 19920247 A1	November 16, 2000		000	A61K031/675
AU 200050639 A	November 17, 2000		000	
EP 1173183 A2	January 23, 2002	G	000	A61K031/675
NO 200105368 A	November 2, 2001		000	A61K000/00
JP 2002543113 W	December 17, 2002		075	C07D261/04
US 6638957 B1	October 28, 2003		000	A61K031/42

INT-CL (IPC): A01 N 57/24; A61 K 0/00; A61 K 31/00; A61 K 31/42; A61 K 31/422; A61 K 31/535; A61 K 31/5355; A61 K 31/66; A61 K 31/662; A61 K 31/675; A61 P 1/02; A61 P 1/04; A61 P 1/16; A61 P 3/10; A61 P 7/00; A61 P 9/10; A61 P 11/00; A61 P 15/00; A61 P 17/00; A61 P 27/02; A61 P 29/00; A61 P 31/00; A61 P 31/04; A61 P 31/10; A61 P 31/12; A61 P 33/00; A61 P 35/00; A61 P 37/00; C07 D 261/04; C07 D 265/02; C07 D 413/06; C07 F 9/653; C07 F 9/6533



DERWENT-ACC-NO: 2000-505901

DERWENT-WEEK: 200057

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TITLE: Use of thiadiazole derivatives for the treatment of viral, bacterial, fungal

or parasitic infections in humans and animals

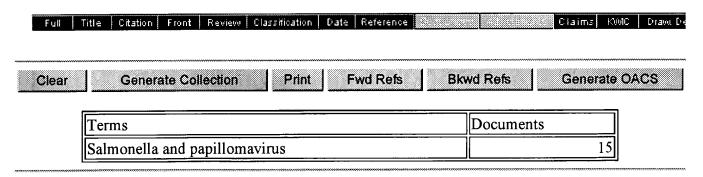
INVENTOR: JOMAA, H

PRIORITY-DATA: 1999DE-1003398 (January 29, 1999)

PATENT-FAMILY:

PUB-DATE LANGUAGE PAGES MAIN-IPC PUB-NO 017 A61K031/00 WO 200044359 A2 August 3, 2000 G August 18, 2000 000 A61K031/00 AU 200027989 A August 10, 2000 000 A61K031/433 DE 19903398 A1

INT-CL (IPC): A61 K 31/00; A61 K 31/433



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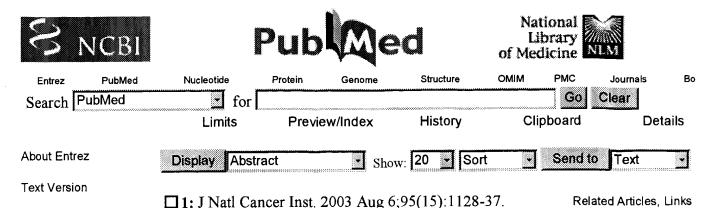
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	L6	Salmonella and papillomavirus	639
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	L5	Salmonella and papillomavirus	0
	DB=JP	AB; PLUR=YES; OP=ADJ	
	L4	Salmonella and papillomavirus	0
	DB=DV	WPI; PLUR=YES; OP=ADJ	
	L3	Salmonella and papillomavirus	15
	DB=US	SPT; PLUR=YES; OP=ADJ	
	L2	Salmonella and papillomavirus.clm.	36
	L1	Salmonella and papillomavirus	395

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Comment in:

• J Natl Cancer Inst. 2004 Mar 3;96(5):412-3; author reply 413-4.

full text article at incicancerspectrum. oupjournals.org

Specific antibody levels at the cervix during the menstrual cycle of women vaccinated with human papillomavirus 16 virus-like particles.

Nardelli-Haefliger D, Wirthner D, Schiller JT, Lowy DR, Hildesheim A, Ponci F, De Grandi P.

Department of Gynecology, Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland.

BACKGROUND: In early-phase trials, a human papillomavirus 16 (HPV16) virus-like particle (VLP) vaccine has been shown to be well tolerated, immunogenic, and protective against HPV16 in women, most of whom were taking oral contraceptives. Previous studies have not determined whether HPV immunization results in specific antibody levels in the human genital tract or whether these levels might vary during contraceptive or ovulatory cycles. Therefore, we determined the levels of total and specific antibodies in the cervical secretions of women who had been immunized with HPV16 VLPs and examined the influence of the menstrual cycle and oral contraceptive use on these levels. METHODS: Two groups of women were immunized, seven who were taking oral contraceptives and 11 who were ovulating. After seroconversion, serum and cervical secretions were collected twice weekly for 5 weeks. Total immunoglobulins (IgG and IgA) and vaccine-specific IgGs were determined by enzyme-linked immunosorbent assay. Nonparametric statistical analyses were used to determine the statistical significance of differences in IgG levels between groups, and correlations between serum- and cervical-specific IgG levels were determined by the Spearman correlation coefficient. RESULTS: All participants developed detectable titers of anti-HPV16 VLP IgGs in their cervical secretions after immunization. The cervical titers of specific IgG and total IgGs and IgAs among participants in the contraceptive group were relatively constant throughout the contraceptive cycle. In contrast, the cervical titers of specific IgG and total IgGs and IgAs among participants in the ovulatory group varied during the menstrual cycle, being highest during

the proliferative phase, decreasing approximately ninefold around ovulation, and increasing approximately threefold during the luteal phase. Serum- and cervical-specific IgG levels were correlated (r = .86) in women in the contraceptive group but not in women in the ovulatory group (r = .27). CONCLUSIONS: The relatively high titer of anti-HPV16 antibodies at the cervix is promising in terms of vaccine efficacy; however, the decrease in antibody titer around ovulation raises the possibility that the HPV16 VLP vaccine might be less effective during the peri-ovulatory phase.

PMID: 12902442 [PubMed - indexed for MEDLINE]

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anogenital tract (especially the cervix). VLP's are also used, when immobilised, for detecting antibodies specific for PV (claimed). VLP's induce a human PV (HPV)specific, conformation-dependent and neutralising antibody response in serum and genital secretions, and also induce cytotoxic T lymphocytes (CTL) able to kill cells already infected with HPV. (A) are administered to the oral, nasal, rectal or genital mucosa. ADVANTAGE - Properly assembled VLP, essential for antibody induction can now be produced in attenuated bacteria. US20020025328A Attenuated strain of a prokaryotic microorganism (A), transformed with nucleic acid (I) encoding papilloma virus (PV) major capsid protein (II), is new. (II) assembles in (A) to form virus-like particles (VLP). USE - (A) are useful in the preparation of therapeutic and vaccines (claimed), particularly mucosal, to prevent or treat PV infections or related cancers of the anogenital tract (especially the cervix). VLP's are also used, when immobilised, for detecting antibodies specific for PV (claimed). VLP's induce a human PV (HPV)-specific, conformation-dependent and neutralising antibody response in serum and genital secretions, and also induce cytotoxic T lymphocytes (CTL) able to kill cells already infected with HPV. (A) are administered to the oral, nasal, rectal or genital mucosa. ADVANTAGE - Properly assembled VLP, essential for antibody induction can now be produced in attenuated bacteria. WO 9815631A

CHOSEN-DRAWING: Dwg.3/8

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